Daily Diary Report by Bid Item

Contract No.: **04-0120F4**
Diary #: **276** **Const Calendar Day:** 952 **Date:** **17-Apr-2012** **Tuesday**
Inspector Name: **Wright, Doug** **Title:** **Transportation Engineer**
Inspection Type: Continuous
Shift Hours: 06:50 AM 08:00 PM **Break:** 00:30 **Over Time:** 04:00
Federal ID:
Location:
Reviewer: **Schmitt, Alex** **Approved Date:** **Status:** Submit

04-0120F4
04-SF-80-13.2/13.9
Self-Anchored
Suspension Bridge

Weather

Temperature **7 AM** **12 PM** **4PM**
Precipitation **Condition**

Working Day ☑ If no, explain:

Diary: Dispute ☐

Cable Compaction

Overview of work today:
Cable compaction continued today in the North main-span. Also, Cable formers were being installed (CCO-247). See below for a list of labor for this work.

- I arrived at the pier 7 office at 06:50, & was on the bridge at 07:00.

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Cable Compaction - North main-span:
- I arrived at the North main-span at 07:05. At this time, the compaction equipment was at PP43.8. Yesterday, they had done some compaction squeezes starting at PP 44.2, & working up towards PP 43.8. Temporary nylon ratchet straps were used yesterday to hold the shape of the Cable.
- At 07:00 until 09:00, the crew was setting up equipment, & learning how to use the band-it strapping tools.
- At 09:00, the compaction started squeezing at PP 43.8. The jack pressures ranged between 8000 to 9000 psi. The Cable dimensions under load were measured at 780mm (height) & 785mm (width). After banding & release, the Cable dimensions were measured at 770mm (height) & 810mm (width).
- Note: the above dimensions were greatly influenced by the close proximity of this squeeze to the Tower. The Cable naturally wanted to take a wider shape being close to the Tower saddle.
- From 09:15 until 11:00, the compaction was on hold due to a hydraulic leak in one of the hoses. A small amount of the hydraulic oil dripped down through the catwalk onto the OBG.
- At 11:20, the hydraulic issue was fixed, & they started with re-squeezing at the first strap done this morning. This area was re-squeezed. The Cable dimensions under load were measured at 775mm (height) & 785mm (width). After banding & release, the Cable dimensions were measured at 767mm (height) & 814mm (width).
- Note: the shape of the Cable & the strands in the Cable bundle were positioned correctly ahead of the compactor (see attached photos).
- For the remainder of the shift, they continued compacting & banding while working down the span. They were only advancing forward about 0.9m per squeeze. The readings below were measurements taken by me on at the strap locations. They are after the load was released.

Strap 1 at PP43.8: Height = 767mm - Width = 814mm – (above upper Cable band)
Strap 2 at PP44.0: Height = 770mm - Width = 803mm
Strap 3 at PP44.0: Height = 774mm - Width = 796mm
Strap 4 at PP44.1: Height = 776mm - Width = 799mm
Strap 5 at PP44.2: Height = 781mm - Width = 801mm – Note: this area was moved back to & re-squeezed so these numbers are no longer valid.

I wrote the above measurements on the strap in the field, & notified ABF Engineers Andre Markarian & Zack Lauria of the numbers. I reminded them that these measurements are at a Cable band location, & asked if they were comfortable with installing & tensioning the Cable bands. They both were unsure, & said that they will ask Kevin Smith. Also, I met with Brian Boal, Roman Granados, & Warren Collins to let them know of these dimensions. They were all in agreement that the Cable will want to take that wide shape near the Tower saddle, & they did not believe Cable band installation should be a big issue.

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Cable former installation work (CCO247):
- This is force account CCO work. Cable formers are required at only one location per span, but the Department has asked for them to be installed every 50m along the span (total of 7 per main-span, & 3 per side-span).
- CJ Biskner's crew was doing this work on the North side-span.
- From 07:00 until 14:00, the crew was working on installing Cable formers below mid-span. 6.5 hours should be applied towards the CCO.

- At 17:25. I left the bridge.
- From 17:45 until 19:10, I met with Brian Boal, Roman Granados, Warren Collins, Alex Schmitt, Saman Soheili, & Vitcor Altimarano to discuss Cable compaction. We discussed some of the early results of the compaction operation, as well as possibly buying off on the compacted Cable dimensions on a daily basis with the ABF Engineers.
- From 19:15 until 20:00, I wrote my diary for the day.
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04-0120F4 **Bid Item: 067** **C-PWS-SUC.067** **Compact Suspension Cables**

AMERICAN BRIDGE/FLUOR, A JV

Labor

Trade	Class	Name	RT Hrs	OT Hrs	DT Hrs	Total	Remarks	Dispute
Contractor:	AMERICAN BRIDGE/FLUOR, A JV							
Ironworker	JNM	Jose ALFARO	8.00	2.00	0.00	10.00		☐
Ironworker	JNM	STANLEY DALIE	8.00	2.00	0.00	10.00		☐
Ironworker	JNM	RENE MULATO	8.00	2.00	0.00	10.00		☐
Ironworker	JNM	MATTHEW COCHRAN	8.00	2.00	0.00	10.00		☐
Ironworker	FOR	CHRISTOPHER BISKNER	8.00	2.00	0.00	10.00		☐
Operator	JNM	HOWARD SCHROYER	8.00	2.00	0.00	10.00		☐
Operator	OTH	NICOLAUS SHAFER	8.00	2.00	0.00	10.00		☐
Ironworker	APP	JACOB MECHE	8.00	2.00	0.00	10.00		☐
Ironworker	APP	AUGIE SOLIS	0.00	0.00	0.00	0.00		☐
Ironworker	JNM	HAYES BATISTE	8.00	2.00	0.00	10.00		☐
Ironworker	JNM	KEVIN RATCLIFF	8.00	2.00	0.00	10.00		☐
Ironworker	JNM	CASEY LUX	8.00	2.00	0.00	10.00		☐
Ironworker	FOR	GARY ANDERSON	8.00	2.00	0.00	10.00		☐
Ironworker	FOR	ANTHONY COSTA	8.00	2.00	0.00	10.00		☐

Attachment

Good strand positions ahead of compactor - exterior strands

Good strand positions ahead of compactor - interior strands